Combustible/ Flammable Isolation

Combustibles should be isolated from hot work area before the work is conducted. On the other hand, safety tape can be used to indicate hot work area as well as limit entry of unauthorized people.



Hot Work Precaution

Hot work activities should not be permitted in case potential fire hazards present such as impaired sprinklers, combustible walls or ceiling containing combustible insulation, explosive atmosphere, accumulation of combustible dust, etc.

Manual Firefighting Equipment

The nearest fire hose at hot work area should be on standby. Fire extinguishers must be presented within the isolated area for hot work. The safety officer must have knowledge of suitable extinguishing method for hot work and be able to operate the equipment in case of emergency.



uld be safety permit

Further Information:

Hanoi 6F, Sun Red River Bldg., 23 Phan Chu Trinh St., Hoan

HOW DOES THIS AFFECT YOUR COMPANY?

Hot work is associated with a variety of industries and operations, including machining, facility maintenance and construction. Hot work may produce radiant energy, fumes and sparks. As a result, there are potential fire and safety hazards associated with hot works.

Hot work is classified to be a leading cause of industrial fires, consistently in the top five across all industries, and it has been responsible for many of industry's most severe fire losses. Most hot work fires occur during lunch, breaks and shift changes. 76% of hot work fires are attributed to being too close to combustibles such as wood, paper, cloth, plastic, etc.

WHAT SHOULD YOUR COMPANY DO?

Hot Work Definition

The decision of hot work should be considered through various check points:

- Is hot work necessary? Any safer alternative?



Permit Form

Apply **Hot Work Permit**^{*} or an adequate permit and limit permit validity to one working day. This should apply to site employees as well as contractors. There should be dedicated staffs with the authority and knowledge to issue hot work permits.



HOT WORK CONTROL

WHAT IS HOT WORK?

Hot work is classified as any temporary act that produces open flames, sparks or heat.

Hot work activities include:

Welding or cutting using gas or electric Grinding and cutting using disc grinds Brazing and soldering Blowlamps Use of bitumen/tar boiler



Even though hot work is classified as one of the most common causes of industrial catastrophes, most facilities are not equipped with Hot Work Permit system as well as not familiar with hazards caused by hot work. However, having the system does not mean that the facility is fully protected. The system should be continuously improved by certified individuals and strictly applicable to all

HOT WORK PERMIT CHECKLIST

The ne	erson ca	rrving or	It this check should tick the appropriate boxes)	
	otection			
A	В			ISSUING COMPANY
		(1)	Where sprinklers are installed they are operative.	1330ING COMPANY
		(2)	A trained person not directly involved with the hot work will provide a continous fire watch during the period of hot work and for at least one hour after it ceases, in the work area and those adjoining areas to which sparks and heat may spread.	A PROPOSAL BUILDING: EXACT LOCATION OF PR
		(3)	At least two suitable extinguishers or a hose reel are immediately available. Both the personnel undertaking the work and providing the fire watch are trained in their use.	NATURE OF HOT WORK The above location has been complied with as in
		(4)	Personnel involved with the work and providing the fire watch are familiar with the means of escape and method of raising the alarm/calling the fire brigade.	SIGNED: DATE: CONTRACTOR (WHERE A
Precau	sions w	ithin 10	meters (minimum) of the work	
		(5)	Combustible materials have been cleared from the area. Where materials cannot be removed, protection has been provided by non combustible or purpose made blankets, drapes or screens.	B AGREEMEN This Hot Work Permit is
		(6)	Flammable liquids have been removed from the area.	TIME OF ISSUE OF PERM A FINAL FIRE CHECK OF
		(7)	Floors have been swept clean.	ADDITIONAL CONDITION
		(8)	Combustible floors have been covered with overlapping sheets of non-combustible material or wetted and liberally covered with sand. All openings and gaps (combustible floors or otherwise) are adequately covered.	SIGNED: DATE:
		(9)	Protection (non combustible or purpose made blankets, drapes or screens) has been provided for: Walls, partitions, and ceilings of combustible construction or surface finish.	C FIRE WATCH permit to the issue The work area and all a and above, and areas of
		•	All holes and other openings in walls, partitions and ceilings through which sparks could pass.	completion of the work.
		(10)	Combustible materials have been moved away from the far side of walls or partitions where heat could be conducted, especially where these incorporate metal.	TIME INSPECTION COMP SIGNED: DATE: CONTRACTOR (WHERE A
		(11)	Enclosed equipment (tanks, containers, dust collectors etc) has been empited and tested, or is known to be free of flammable concentrations of vapour or dust.	TIME INSPECTION COMP SIGNED:
Equipn	nent			DATE: CONTRACTOR (WHERE A
		(12)	Equipment for hot work has been checked and found in good repair.	CONTRACTOR (WHERE A
	D-bouse	(13) e inspect	Gas cylinders have been properly secured. or SIGNED: NAME:	* It is not desirable to issu extends from morning to a
		·	or SIGNED: NAME: POSITION:	* Where work is being ca complied with the require, when work is completed.

ISSUING COMPANY A PROPOSAL (To be completed by the p	PERMIT NO. :
A PROPOSAL (To be completed by the p	
	person responsible for carrying out the work)
BUILDING: EXACT LOCATION OF PROPOSED WORK: NATURE OF HOT WORK TO BE UNDERTAKEN:	
The above location has been examined and been complied with as indicated.	the precautions listed on the reserve side of this form have
SIGNED:	NAME:
	POSITION:
A FINAL FIRE CHECK OF THE WORK AREA SHA	EXPIRY TIME OF PERMIT:
A FINAL FIRE CHECK OF THE WORK AREA SHA ADDITIONAL CONDITIONS REQUIRED:	ALL BE MADE NOT BEFORE:
A FINAL FIRE CHECK OF THE WORK AREA SHA ADDITIONAL CONDITIONS REQUIRED: SIGNED:	ALL BE MADE NOT BEFORE:
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A FINAL FIRE CHECK OF THE WORK AREA SHA ADDITIONAL CONDITIONS REQUIRED: SIGNED: DATE:	ALL BE MADE NOT BEFORE: NAME: POSITION: POSITION: ich sparks and heat might have spread (such as floors below is) have been inspected and found to be free of fire followin (This must be at least 1 hour after work was completed) NAME: POSITION: (This shall be conducted 3 to 4 hours after work was completed)